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Test: Tuesday April 29th

Energy Science Study Guide

Define.

* Kinetic energy
* Thermal energy
* Potential energy
* Law of conservation of energy
* Gravitational energy
* Light energy
* Sound energy
* Elastic energy
* Electric energy
* energy

Which has the most potential energy? Explain.

1. A book on a table
2. A kid on the hood of a car
3. An elephant on top of a building

Explain:

Which has the most kinetic energy? Explain.

1. A car driving down the road
2. A rollercoaster
3. A kid running

Kinetic energy depends on an objects speed and mass. Explain.

Mass relates to potential energy by the more mass an object has the more potential energy it has. Explain.

What has the least kinetic energy? Explain.

1. A book on the floor
2. A shouting child
3. A fish

What do a flashlight on the table, a ball on top of a hill, and a car in parking position have in common?

What is not an example of kinetic energy? Circle.

sirens electricity light batteries sound walking talking chemical energy

When coal and fossil fuels are burned, what type of energy is a result of this?

What is not an example of kinetic energy changing back and forth?

1. A ball rolling
2. A kid jumping
3. A rollercoaster
4. A dog laying down
5. Two cars crashing
6. A bowling ball

Light waves and sound waves traveling is what type of energy?

Chemical energy is what type of energy?

Electricity is what kind of energy? Why?

What does a skier, airplane in the sky, a flying bird, and a swimmer have in common?

When is kinetic energy transferred to another object? When two objects crash causing the other object to move

When a plugged up and turned on, what type of energy is this?

Can you cause or destroy energy? Explain

Parent signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_